



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **08283618 A**(43) Date of publication of application: **29.10.96**

(51) Int. Cl. **C09D 5/03**  
**C09D 5/03**  
**C09D 5/28**

(21) Application number: **07108170**(22) Date of filing: **07.04.95**(71) Applicant: **SUMITOMO SEIKA CHEM CO LTD**

(72) Inventor: **OKANO TATSURO**  
**MASUDA TAKASHI**

(54) **THERMOPLASTIC POWDER COATING**  
**COMPOSITION FOR IMPARTING PARTICULAR**  
**PATTERN**

## (57) Abstract:

**PURPOSE:** To obtain a thermoplastic powder coating composition composed of inorganic fine powder having a specific particle diameter and resin powder having a specific particle diameter and containing two or more kinds of thermoplastic resin powders having different color tone and capable of imparting a stable particular pattern to a coating surface.

**CONSTITUTION:** This coating composition is produced by compounding (A) 100 pts.wt. of resin powder having an average particle diameter of 150-250 $\mu$ m and containing two or more kinds of thermoplastic resin powders having different color tone (preferably polyethylene, polyamide, etc.) in an amount of 2wt.% each based on the total resin powder with (B) 0.01-1 pt.wt. of inorganic fine powder having an average particle diameter of 0.001-60 $\mu$ m (preferably silica or alumina). Concretely, a composition giving a mottled pattern with brown spots on white ground is produced e.g. by finely pulverizing an ethylene-acrylic acid copolymer colored with a white pigment and the

copolymer colored with a brown pigment to average particle diameter of 180 $\mu$ m each and homogeneously mixing 0.05 pts.wt. of fine silica powder having an average particle diameter of 1.8 $\mu$ m to 100 pts.wt. of the resin powder mixture consisting of 95wt.% of the white powder and 5wt.% of the brown powder.

COPYRIGHT: (C)1996,JPO